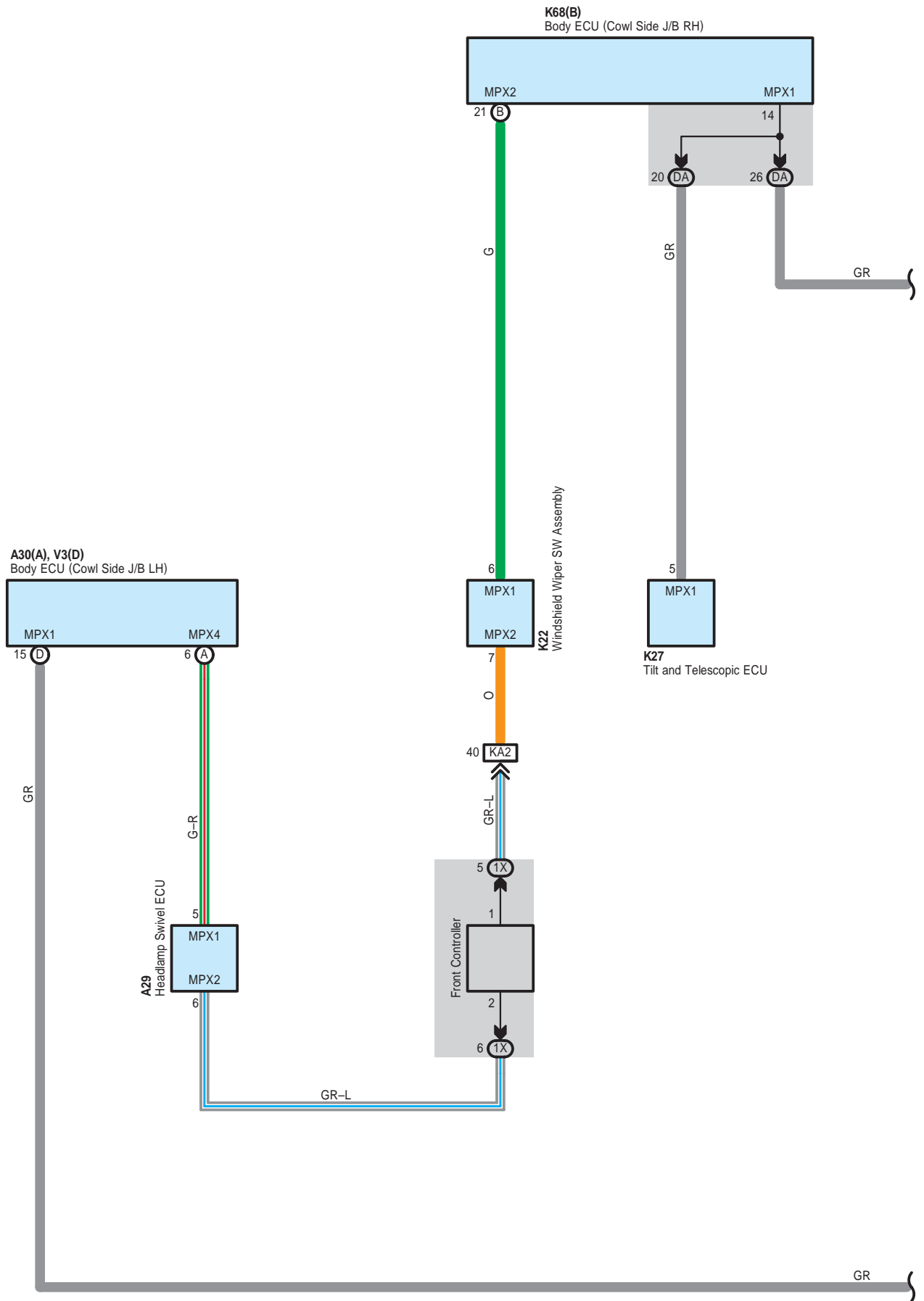
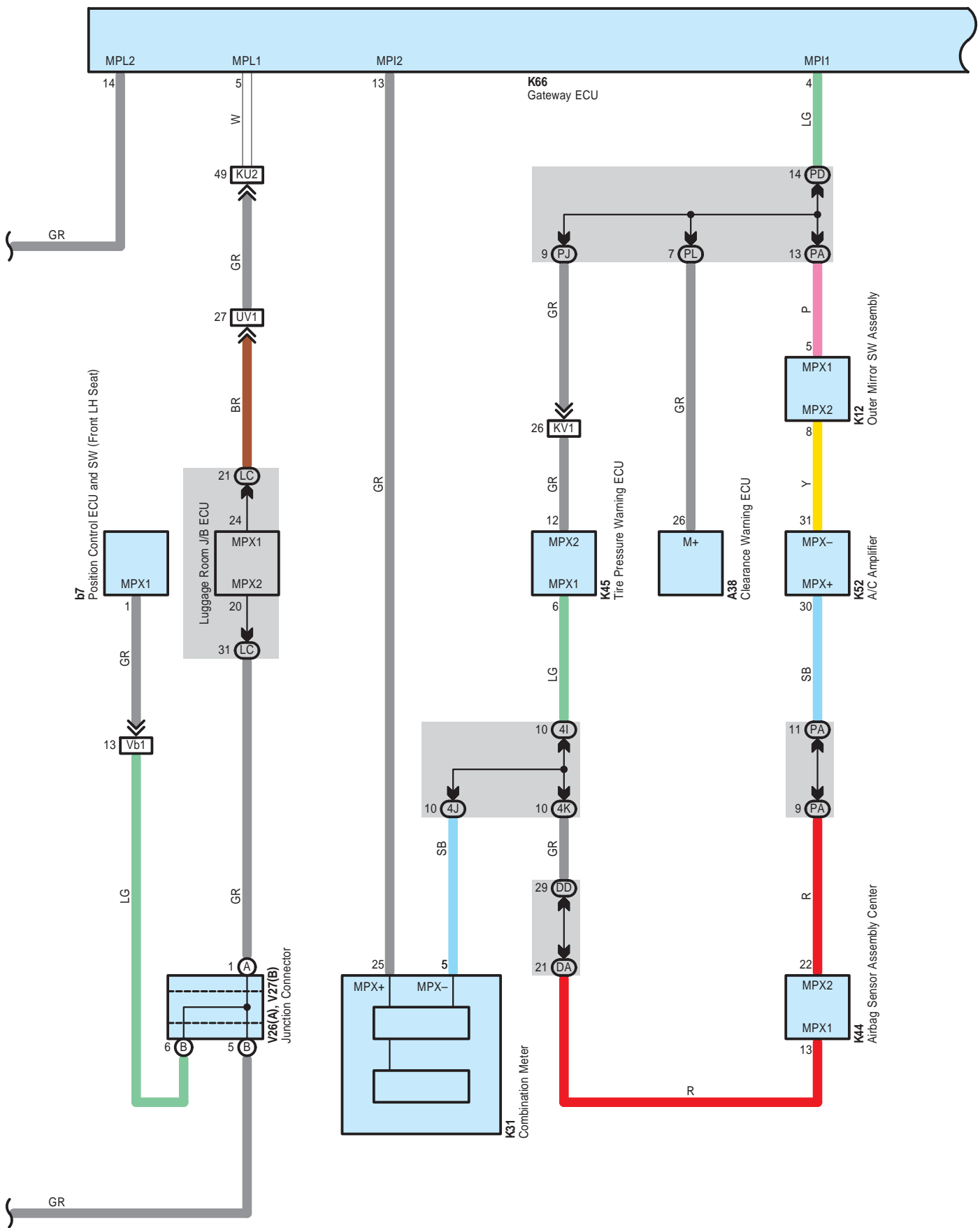
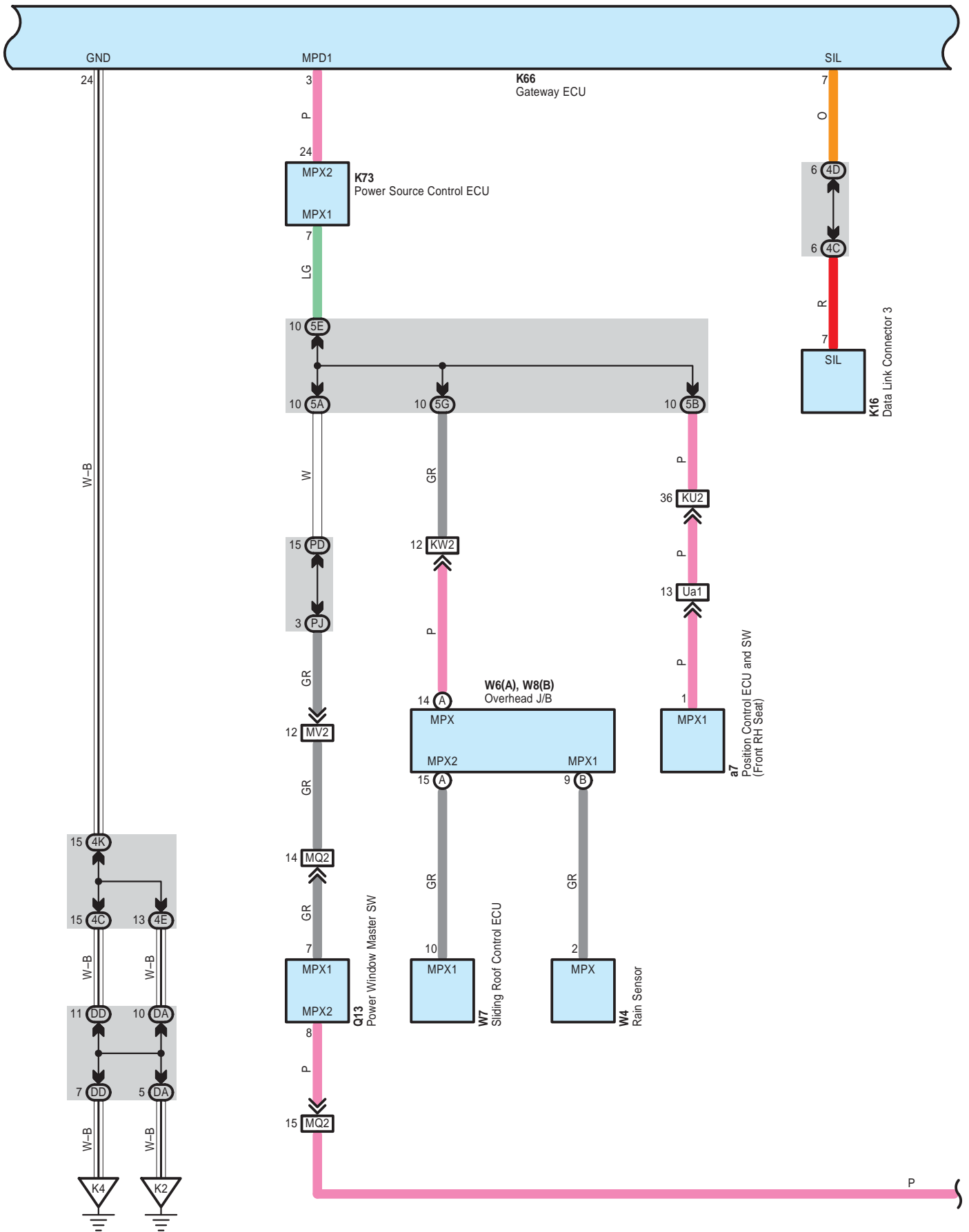


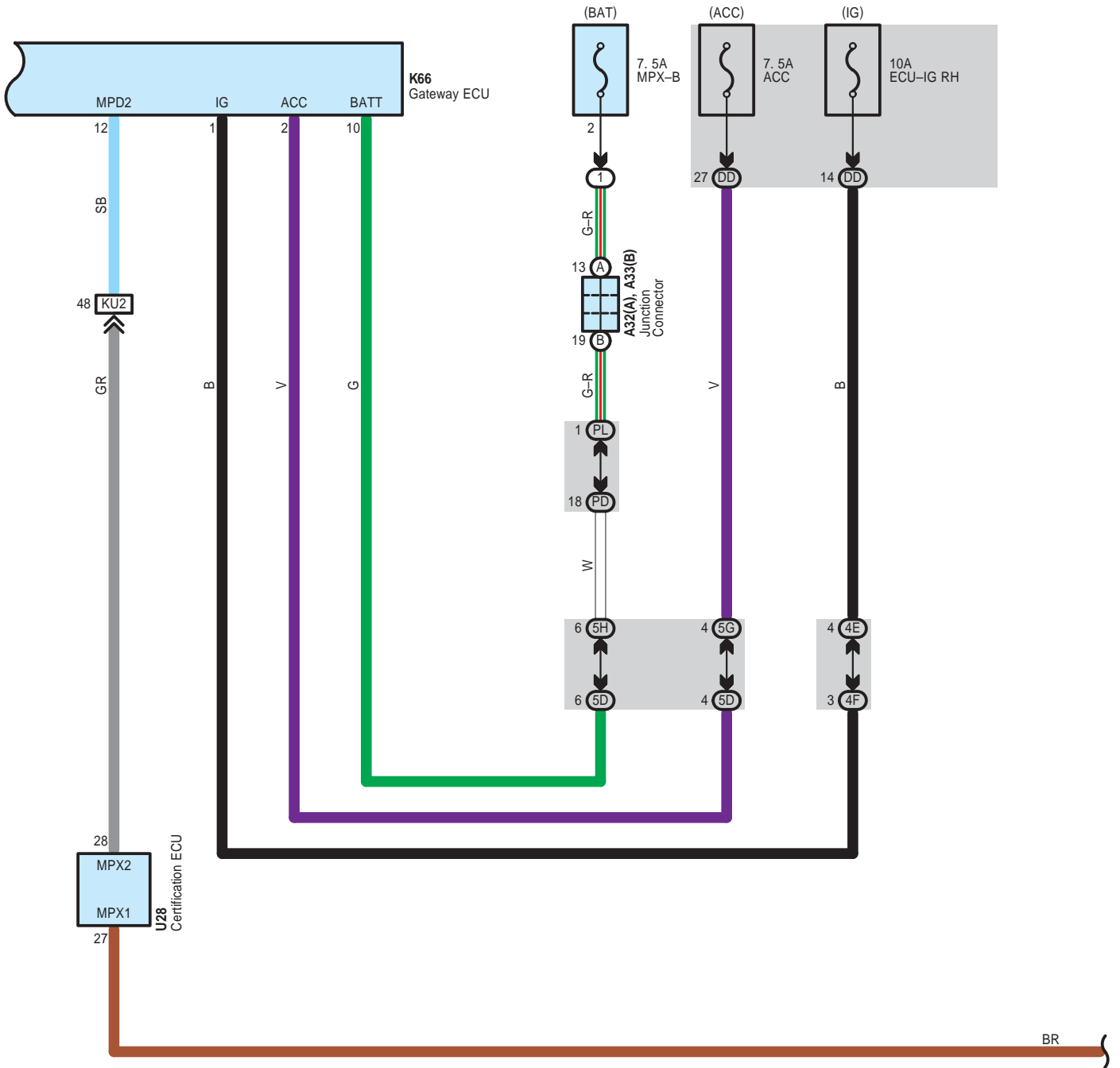
Multiplex Communication System – BEAN



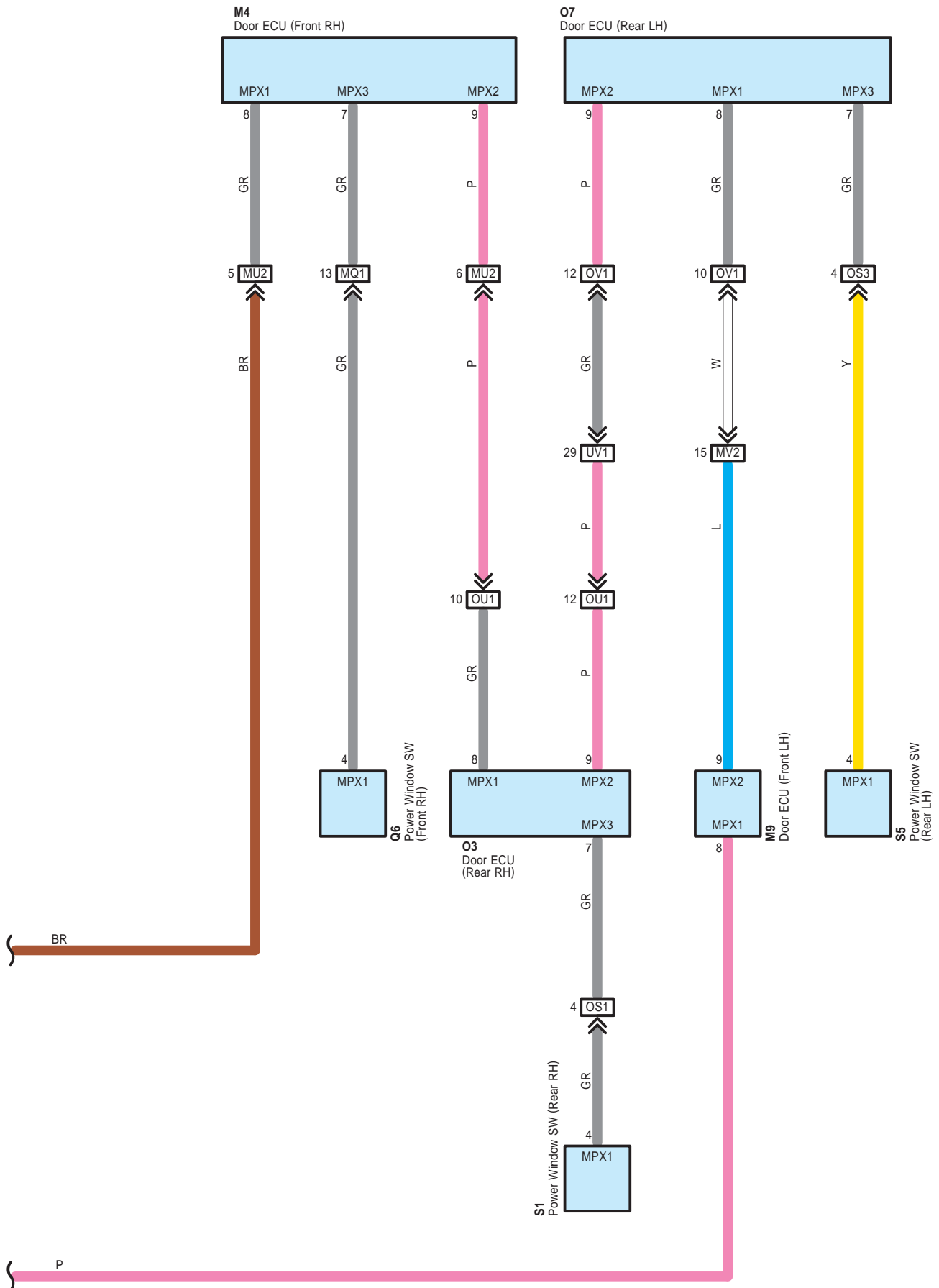


Multiplex Communication System – BEAN





Multiplex Communication System – BEAN



System Outline

BEAN consists of body electrical systems such as A/C amplifier, headlamp swivel ECU, airbag sensor assembly center, clearance warning ECU, combination meter, windshield wiper SW assembly, body ECU (Cowl side J/B LH), body ECU (Cowl side J/B RH), data link connector 3, front controller, door ECU (Front LH), door ECU (Front RH), gateway ECU, power source control ECU, luggage room J/B ECU, outer mirror SW assembly, overhead J/B, position control ECU and SW (Front LH seat), position control ECU and SW (Front RH seat), power window master SW, power window SW (Front RH), power window SW (Rear LH), power window SW (Rear RH), rain sensor, door ECU (Rear LH), door ECU (Rear RH), sliding roof control ECU, smart key ECU, tilt and telescopic ECU and tire pressure warning ECU. Gateway ECU has communication circuit to correspond with different types of communication data. Different types of communication data can be shared among communication parts after it goes through gateway ECU.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A29	84	K52	86	U28	90
A30	A 84	K66	86	V3	D 87
A32	A 84	K68	B 86	V26	A 91
A33	B 84	K73	86	V27	B 91
A38	84	M4	88	W4	92
K12	85	M9	88	W6	A 92
K16	85	O3	88	W7	92
K22	85	O7	88	W8	B 92
K27	85	Q6	89	a7	94
K31	85	Q13	89	b7	94
K44	86	S1	89		
K45	86	S5	89		

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24	Engine Room R/B No.1 (Engine Compartment Left)

○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1X	29	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)
4C	70	Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement)
4D		
4E		
4F		
4I		
4J		
4K		
5A	66	Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement)
5B		
5D		
5E		
5G		
5H		
DA	55	Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)
DD		
LC	63	Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel)
PA	49	Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)
PD		
PJ	50	Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)
PL	50	Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)

Multiplex Communication System – BEAN

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
KA2	97	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
KU2	97	Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)
KV1	97	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
KW2	97	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
MQ1	98	Front Door RH Wire and Front Door RH No.2 Wire (Front Door Inner Panel RH)
MQ2	98	Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)
MU2	97	Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)
MV2	97	Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)
OS1	98	Rear Door No.1 Wire and Rear Door RH Wire (Front Door Inner Panel RH)
OS3	98	Rear Door No.2 Wire and Rear Door LH Wire (Rear Door Inner Panel LH)
OU1	98	Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)
OV1	98	Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)
UV1	98	Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)
Ua1	99	Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat)
Vb1	99	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)

: Ground Points

Code	See Page	Ground Points Location
K2	97	Left Side of the Shift Lever
K4	97	Right Kick Panel

